



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Machida, et al.

Serial No.: 09/744,146

Filed: March 29, 2001

For: LABELED COMPLEX, PROCESS FOR PRODUCING SAME AND PROCESS FOR UTILIZING SAME

§
§
§
§
§
§

Group Art Unit: 1744

Examiner: N/A

#6 Receipt
9/09/01
RECEIVED
AUG 31 2001
TECH CENTER 1600/2900

Commissioner for Patents

Attn: Office of Initial Patent Examination's Customer Service Center

Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Dear Sir:

Attached is a copy of the official filing receipt received from the U.S. Patent and Trademark Office in the above-identified patent application in which issuance of a corrected filing receipt is respectfully requested.

There is an error in the title of the invention in that the title "LABELED COMPLEX, PROCESS FOR PRODUCING THE SAME AND PROCESS FOR UTILIZING THE SAME" should read "LABELED COMPLEX, PROCESS FOR PRODUCING SAME AND PROCESS FOR UTILIZING SAME." Correction of this error is respectfully requested. Attached is a copy of the title page of the application as originally filed.

The error is not due to any error by applicant and, therefore, no fee is due.

Respectfully submitted,

Warren B. Kice

Registration No. 22,732

Dated: 5/3/01
HAYNES AND BOONE, L.L.P.
3100 Bank of America Plaza
901 Main Street
Dallas, Texas 75202-3789
Telephone: 214/651-5634
Telecopy: 214/651-5940
File: 10287.39
d-894347.1

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Office of Initial Patent Examination's Customer Service Center, Washington, D.C. 20231

on

May 3, 2001

SANDRA KUBIN

AUG 31 2001



UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600/2900

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/744,146	03/29/2001	1744	1197	10287.39	10	83	2

CONFIRMATION NO. 3956

FILING RECEIPT



OC000000005987331

RECEIVED

APR 23 2001

HAYNES & BOONE L.L.P.

Date Mailed: 04/19/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Masayuki Machida, Tsukuba-shi, JAPAN;
Hideji Tajima, Tokyo, JAPAN;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/JP99/03824 07/15/1999

Foreign Applications

JAPAN 10-206057 07/22/1998

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Labeled complex, process for producing ~~the~~ same and process for utilizing ~~the~~ same

Preliminary Class

CODE	DATE	ACTION
ASA	9.26.01	AWAITING RECORDED ASSIGNMENT
AOA	1.18.02	AWAITING OFFICE ACTION

BY: _____



LABELED COMPLEX, PROCESS FOR PRODUCING SAME AND PROCESS FOR UTILIZING SAME

TECHNICAL FIELD

5 The present invention relates to a labeled complex, a process for producing same and a process for utilizing same. Carriers such as micro particles and the like that have a large surface area per unit weight provide an excellent solid body for attaching biological molecules thereon, and also labeling these carriers with luminescent substances such as fluorescent
10 substances and the like enables them to be detected with high sensitivity. The present invention is to be used for examination, measurement, reaction, production, sampling, observation and the like in various areas such as genetic engineering, medical practice, medicines, physiological sanitation, health care, organisms, food, materials and the like in the fields of agricultural science,
15 pharmaceutical science, medical science, physical sciences such as chemistry, biology and the like, and engineering science.

BACKGROUND ART

Heretofore, to label micro particles for discrimination with high sensitivity, luminescent substances such as fluorescent substances and the like
20 have been used. For example, to measure nucleic acid in a sample, by using a DNA probe that is bonded with fluorescent micro particles, and a large sized non fluorescent micro particle that is bonded with a different DNA probe, hybridization is performed with a DNA probe in the sample to form double strands. Subsequently, by using a filter of the mean size of the sizes of the two
25 types of micro particle, unbound redundant fluorescent particles are removed, reacted with a restriction enzyme, double strand portions are cut, isolated fluorescent micro particles are separated by the filter and fed into a flow cell, and particles are discriminated by fluorescence in order to count the number of